Well no : 30/06-17R Operator : HYDRO

Coordinates	: 60 34 15.77 N 02 44 59.84 E	UTM coord.	: 6715194 N 486293 E
Licence no	: 53	Permit no	: 478
Rig	: TREASURE HUNTER	Rig type	: SEMI-SUB.
Contractor	: WILHELMSEN OFFSHORE SERVICES		
Bottom hole temperature	: deg.C	Elev. KB	: 25 M
Spud. date	: 85.11.14	Water depth	: 111 M
Compl. date	: 86.02.04	Total depth	: 2650 M
Spud. class	: WILDCAT	Form. at TD	: JURASSIC
Compl. class	: P&A. OIL DISCOVERY	Prod. form	: JURASSIC
Seisloca	: NH 82 - 214 SP. 400		

LICENSEES

10.667000	ELF AQUITAINE NORGE A/S
12.250000	NORSK HYDRO PRODUKSJON A.S
8.000000	MOBIL EXPLORATION NORWAY INC.
7.350000	SAGA PETROLEUM A.S.
56.400000	DEN NORSKE STATS OLJESELSKAP A.S
5.333000	TOTAL NORGE A.S

CASING AND LEAK-OFF TESTS

Type	Casing diam.	Depth below KB	Hole diam.	Hole depth below KB	Lot mud eqv. g/cm3
SURF.COND.	20	601.0	26	615.0	.
INTERM.	13 3/8	1593.0	17 1/2	1621.0	1.74
INTERM.	9 5/8	2386.0	12 1/4	2406.0	.
LINER	7	2638.0	8 1/2	2650.0	1.70

CONVENTIONAL CORES

Core no.	Intervals cored meters		Recovery M	Recovery %	Series
1	2324.0 -	2342.15	18.15	100.0	
2	2411.0 -	2417.00	6.00	100.0	
3	2423.0 -	2443.88	20.88	100.0	
4	2444.0 -	2445.36	1.36	100.0	
5	2570.0 -	2588.25	18.25	100.0	
6	2588.0 -	2612.55	24.55	100.0	

MUD PROPERTIES

Depth below KB meter	Mud weigth g/cm3	Viscosity	Mud type
1293.000	1.15	19.0	WATER BASED
1615.000	1.25	23.0	WATER BASED
1621.000	1.26	25.0	WATER BASED
1621.000	1.27	28.0	WATER BASED

1822.000	1.40	26.0	WATER BASED
2342.000	1.45	25.0	WATER BASED
2397.000	1.32	0.0	WATER BASED
2397.000	1.50	33.0	WATER BASED
2400.000	1.45	25.0	WATER BASED
2406.000	1.50	26.0	WATER BASED
2650.000	1.32	17.0	WATER BASED
2650.000	1.35	15.0	WATER BASED

DRILL BIT CUTTINGS AND WET SAMPLES

SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES
Cutting	615-2650	300
Wet Samples	240-2650	300

SHALLOW GAS

Interval below KB	REMARKS

AVAILABLE LOGS

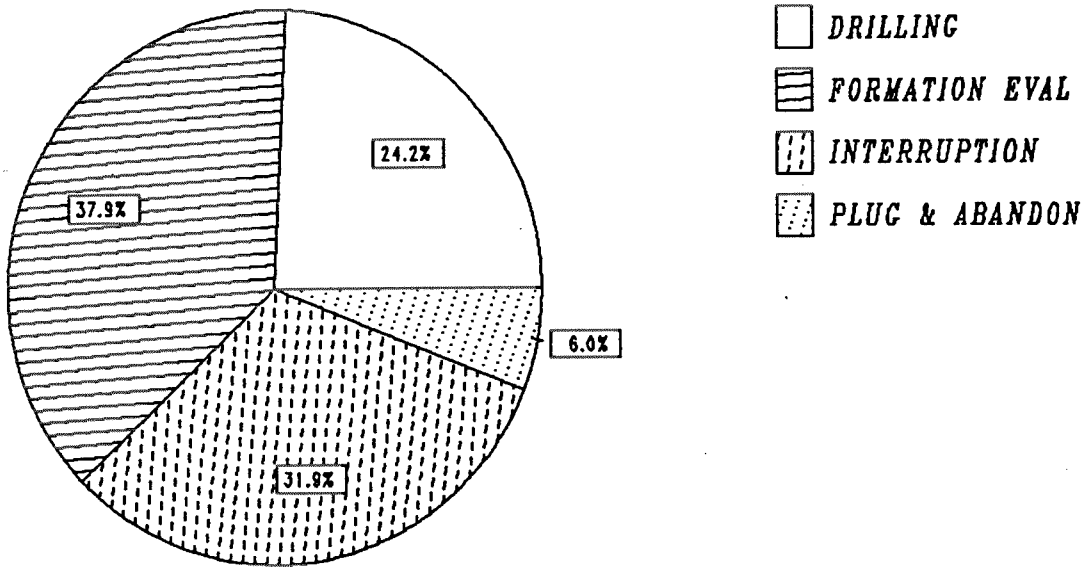
LOG TYPE	INTERVALS	1/200	1/500	Div.
DIL. BHC SL LS	560.000 - 1590.000	X		
DIL BHC SONIC	1440.000 - 2400.000	X		
DIL SL	2382.000 - 2643.000	X		
CDL CNL	601.000 - 1591.000	X		
CDL CNL	1543.000 - 2398.000			
CDL CNL	2382.000 - 2642.000	X		
DLL MSFL	2147.000 - 2398.000	X		
DLL MSFL	2382.000 - 2942.000	X		
CDM AP	1899.000 - 2398.500	X		
CDM AP	2382.000 - 2644.000	X		
CDM/DIPMETER SURVEY	1899.000 - 2399.000			
CDM/DIPMETER SURVEY	2375.000 - 2638.000			
GR COLLAR	2053.000 - 2200.000			
GR COLLAR	2176.000 - 2405.000			
GR COLLAR LOG	2084.000 - 2298.000	X		
GR DENSITY SONIC	600.000 - 2620.000			1:1000
SGR	2378.000 - 2644.000			
X-Y CALIPER WITH	2375.000 - 2638.000			
FMT SELECTIVE	2172.000 - 2307.000			
HP RFT GR	2405.000 - 2629.000			
CBL	492.000 - 1590.000	X		
CBL	1597.000 - 2384.000	X		

CBL GR	*2263.000 - 2544.000*	*X*	
DRILLING DATA	*615.000 - 2650.000*	*1.3000*	
OFFLINE DXC NXB NXMW	*600.000 - 2650.000*	*1:1000*	
MUD LOG	*600.000 - 2650.000*		*X*
VELOCITY LOG	*600.000 - 2625.000*	*1:1000*	*X*

(VSP Zero offset 5+10cm/s, plot 1-8 8 stk.)
(Synthetic seismogram. 10-20 cm/s. plot 8A-11B 8 stk.)
(Two Way Travel Time, 10cm/s 1 stk.)

DAILY DRILLING REPORT SYSTEM

Main operations for well : 0030/06 -17 R



Total : *912.00* ***hours***

Main operation	*Minutes*	*Hours*	*% of total*
DRILLING	*13260*	*221.00*	*24.23*
FORMATION EVAL	*20730*	*345.50*	*37.88*
INTERRUPTION	*17460*	*291.00*	*31.91*
PLUG & ABANDON	*3270*	*54.50*	*5.98*

MAIN OPERATIONS FOR WELL : 0030 / 06 - 17 R

MAIN OPERATION : DRILLING

Sub operations	Minutes	Hrs	% of total
BOP ACTIVITIES	1590	26.50	11.99
CASING	4500	75.00	33.94
CIRC/COND	660	11.00	4.98
DRILL	1860	31.00	14.03
OTHER	120	2.00	0.90
PRESS DETECTION	210	3.50	1.58
REAM	660	11.00	4.98
SURVEY	90	1.50	0.68
TRIP	3570	59.50	26.92
Total	13260	221.00	100.00

MAIN OPERATION : FORMATION EVAL

Sub operations	Minutes	Hrs	% of total
CIRC SAMPLES	120	2.00	0.58
CIRC/COND	540	9.00	2.60
CORE	1500	25.00	7.24
DST	11160	186.00	53.84
LOG	3090	51.50	14.91
OTHER	120	2.00	0.58
RFT/FIT	990	16.50	4.78
TRIP	3210	53.50	15.48
Total	20730	345.50	100.00

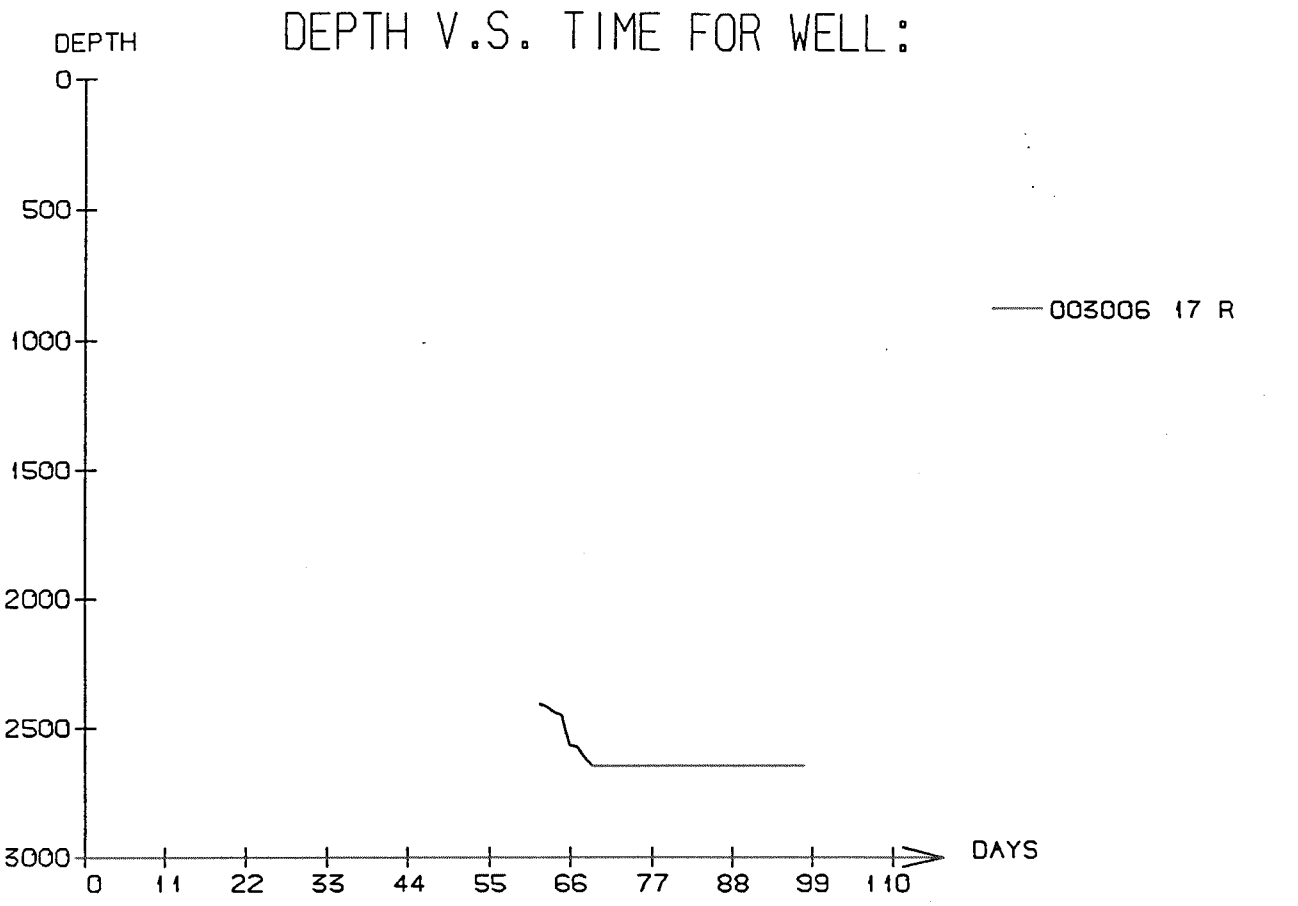
MAIN OPERATION : INTERRUPTION

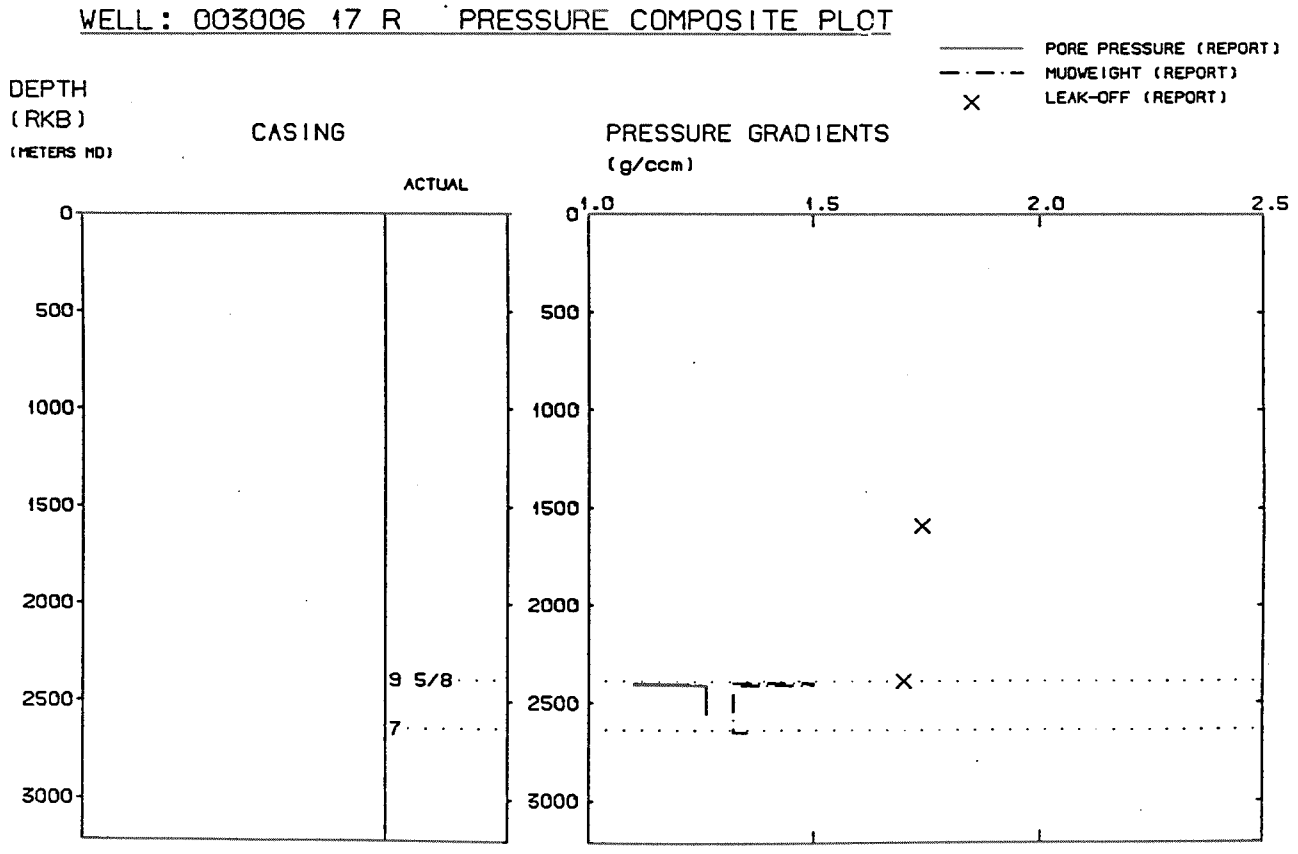
Sub operations	Minutes	Hrs	% of total
FISH	2250	37.50	12.89
MAINTAIN/REP	7710	128.50	44.16
OTHER	180	3.00	1.03
WAIT	6870	114.50	39.35
WELL CONTROL	450	7.50	2.58
Total	17460	291.00	100.00

MAIN OPERATION : PLUG & ABANDON

Sub operations	Minutes	Hrs	% of total
CIRC/COND	420	7.00	12.84
CUT	30	0.50	0.92
EQUIP RECOVERY	810	13.50	24.77
OTHER	780	13.00	23.85
TRIP	1230	20.50	37.61
Total	3270	54.50	100.00

Total time used 912.00 hrs


DEPTH V.S. TIME FOR WELL:
DEPTH
0
500
1000
1500
2000
2500
3000
0
11
22
33
44
55
66
77
88
99
110
DAYS
003006 17 R


WELL: 003006 17 R PRESSURE COMPOSITE PLOT
PORE PRESSURE (REPORT)
MUDWEIGHT (REPORT)
LEAK-OFF (REPORT)
DEPTH
(RKB)
(METERS MD)
CASING
ACTUAL
9 5/8
7
PRESSURE GRADIENTS
(g/ccm)
1.0
1.5
2.0
2.5
0
500
1000
1500
2000
2500
3000

Well History 30/6-17 and 30/6-17 R

GENERAL:

Well 30/6-17 was designed to drill the Alpha structure. The structure is a tilted and rotated fault block with a Jurassic sequence dipping towards east, situated in the Oseberg field.

The well was located in the northern part where Top Statfjord reflector is truncated by the base Cretaceous Unconformity. The objectives for this well were to:

- *prove hydrocarbons in the Statfjord Formation.*
- *drill on a location which leaves a minimum of updip reserves within the Statfjord Formation.*
- *improve the stratigraphical and structural knowledge of the area.*
- *aquire input for further exploration activity in block 30/6*

Prognosed depth was 200 m into the Statfjord Formation with a TD at 2682 m.

OPERATIONS:

Wildcat well 30/6-17 was spudded 12 August 1985 by Ross Offshore semi-submersible rig Vilkat Explorer and suspended 23 August 1985 at a depth of 613 m in rocks of Pliocene age. When preparing to run the BOP, travelling block hit the crown block. As serious damage on the equipment occured, and it was decided to temporary abandon the well.

The well was re-entered 14 November 1985 by Wilh Wilhelmsen semi-submersibel rig Treasure Hunter and completed 24 February 1986 at a depth of 2650 m in rocks of Jurassic age. Approaching the Dunlin and Statfjord rocks it was proven that the lithostratigraphy did not fit in with the prognoses. The operator checked the drilling vessel's position and found that it was located 594 m to far east.

A total of six cores were cut, all taken in the Early Jurassic sequence. There is a discrepancy between loggers and drillers depth of 2 m for cores no 1-4, and 4 m for cores no 5-6. The well was plugged and abandoned as an oil and gas discovery.

TESTING:

One DST-test was performed in the interval 2401.7-2414.7 m MD.

GEOLOGICAL TOPS

WELL: 30/6-17 and 30/6-17 R

	Depth m (RKB)
Nordland Group	*135,5*
Utsira Fm	*652,0*
Hordaland Group	*876,0*
Rogaland Group	*1916,0*
Balder Fm	*1916,0*
Sele Fm	*1993,0*
Lista Fm	*2057,0*
Våle Fm	*2168,0*
Shetland Group	*2182,0*
Brent Group	*2296,0*
Etive Fm (Possibly re-deposited)	*2296,0*
Dunlin Group	*2310,0*
Drake Fm	*2310,0*
Cook Fm	*2401,5*
Amundsen Fm	*2441,0*
Statfjord Fm	*2563,0*
LGTD.	*2646,0*